L2 ANSWER 56 OF 267 CA COPYRIGHT 2004 ACS on STN
AN 132:223807 CA
ED Entered STN: 14 Apr 2000
TI Preparation of cellulase synergistic protector solution and its use in treating **cellulose fiber**
IN Zhang, Mei; Zhang, Xiaoling; Liu, Ruiqiong; Tu, Zaorui
PA Beijing Inst. of Textile Science, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
IC ICM D06M016-00
CC 40-7 (Textiles and Fibers)
Section cross-reference(s): 7, 43, 44, 46
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1199116	A	19981118	CN 1997-111773	19970514
PRAI	CN 1997-111773		19970514		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
CN 1199116	ICM	D06M016-00

AB The protector is composed of 0.5-5.0 M alc. soln. 1-35, 0.2-1.5 M nonionic **surfactant** soln. 0.1-10.0, 0.05-1.0 M polysaccharide soln. 0.4-7.0, 0.5-1.0 M org. acid 0.05-2, and water to 100%. The protector may contain 0.1-0.9 M inorg. salt 0.5-10%. The alc. is selected from ethanol, ethylene glycol, glycerin, pentaerythritol, polyethylene glycol, and sorbitol; the **surfactant** from Tween-20, polyoxyethylene alkyl ether, polyoxyethylene aryl ether, polyoxyethylene alkyl ester, polyoxyethylene aryl ester, polyoxyethylene alkylphenol ether, and polyethylene glycol sorbitol laurate; the polysaccharide from methylcellulose, ethylcellulose, hydroxymethylcellulose, lactose, and sucrose; the org. acid from formic acid, acetic acid, propanoic acid, and oxalic acid; and the inorg. salt from NaCl, NaOAc, Na formate, Na3PO4, NaH2PO4, Na2HPO4, Ca formate, Ca(OAc)2, CaCl2, MgCl2, and Mg(OAc)2. The cellulose type fiber is treated by soaking the fiber in the protector soln. at 45-55.degree. and pH 4.5-5.5 for 30-90 min. The ratio of the protector-**cellulose fiber** is 0.2-5:100.
ST cellulase protector prepn **cellulose fiber** treatmen